

Proposed claim amendments:

LISTING OF CLAIMS:

1. (Currently Amended) A signal distribution system comprising:
a wideband signal distribution system for distributing a plurality of non-IP, RF Modulated signals over twisted pair conductors; and,

~~at least one~~ intelligent device for modulating single frequency carrier RF signals using IP digital data, wherein the intelligent device distributes and distributing said modulated single frequency RF signals onto said wideband signal distribution system,

said ~~at least one~~ intelligent device including a combiner suitable for distributing combining ~~said modulated single frequency RF signal into at least IP signal portions and the non-IP RF modulated signal portions~~, and at least one modulator electrically connected to said combiner and suitable for modulating ~~at least the IP signal portion digital data signal by said combiner~~ the signal output from the combiner into a modulated digital signal, and an RF converter section for further modulating the modulated digital signal to a set carrier channel.

2. (Currently Amended) A signal distribution system, comprising:
a wideband signal distribution system including 568 standard wiring for distributing a plurality of ~~non-IP~~, RF modulated signals; and,

at least one intelligent device for demodulating single frequency carrier RF signals off of said wideband signal distribution system, where in said single

frequency RF signals comprise digital IP ~~digital~~ information, said at least one intelligent device including an RF splitter suitable for receiving splitting said modulated single frequency RF signal into at least an IP digital signal portion containing said IP information and ~~the~~ a non-IP RF modulated signal, and at least one a demodulator electrically connected to an output of said RF splitter and suitable for demodulating at least the IP digital signal portion split by said RF splitter.

3. (Currently Amended) The system of claim 2, ~~A receiver and sender intelligent device system for use with a wideband distribution network for distributing a plurality of non-IP, RF modulated signal portions and IP digital information signal portions using a plurality of RF carriers, said system comprising:~~

at least one addressable device having at least one input and at least one output;

~~at least one intelligent device communicatively coupled with said at least one addressable device to communicate therewith a single carrier frequency RF signal carrying at least the IP digital information signal portion and at least one of the plurality of non-IP, RF modulated signal portions thereon, said at least one intelligent device including a combiner suitable for distributing said modulated single carrier frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one modulator electrically connected to said combiner and suitable for modulating at least the IP signal portion combined by said combiner;~~
and,

a COS identification processor for determining a quality of service needed for said IP digital signal portion, and selecting a suitable one of said RF carriers based on the determined quality of service.

4. (Currently Amended) ~~A signal distribution system over a non-IP, RF modulated multiple carrier network, said~~ The system of claim 3, comprising:

~~—— a wideband signal distribution system for distributing said RF modulated carriers over said network;~~

~~—— at least one intelligent device communicatively coupled to said distribution system for modulating single frequency carrier RF signals using IP digital data and distributing said modulated single frequency RF signals onto said wideband signal distribution system, said at least one intelligent device including combiner suitable for distributing said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one modulator electrically connected to said combiner and suitable for modulating at least the IP signal portion combined by said combiner;~~

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.

5. (Currently Amended) A signal distribution system over a network, comprising:

a wideband signal distribution system for distributing a plurality of non-IP, RF modulated signals;

at least one intelligent device for demodulating single frequency carrier RF signals off of said wideband signal distribution system, wherein said single frequency carrier RF signals comprise IP digital information, said at least one intelligent device including an RF splitter suitable for receiving and splitting said modulated single frequency RF signal into at least an IP signal portion and the non-IP RF modulated signal, and at least one demodulator electrically connected to said RF splitter and suitable for demodulating at least the IP signal portion split by said RF splitter;

wherein said at least one intelligent device uses an existing media control access layer of the network in order to control the sharing of media channels among multiple addressable devices in the system.

6. (New) The system of claim 1, wherein the wide band distribution system comprises a broadband uniform distribution unit configured to output signals over the twisted pair conductors.

7. (New) A device for distributing wide bandwidth signals over twisted pair conductors, the device comprising:

a combiner for combining input signals received from plural addressable devices into a single serial datastream;

a modulator for modulating the single serial datastream into a first modulated signal;

an RF converter for modulating the first modulated signal to a set carrier frequency for distribution;

an RF signal splitter configured to receive modulated RF signals input from an external device and differentiate the received signals into IP signals and non-IP signals, wherein the RF signal splitter outputs the IP signals to a first bandpass filter and the non-IP signals to a second bandpass filter;

a demodulator for demodulating the IP signals output from the first bandpass filter; and

outputs for outputting the demodulated IP signals to one of a plurality addressable devices over twisted pair conductors and the filtered, non-IP signals to a standard outlet.

8. (New) The device of claim 7, wherein the standard outlet is configured as a standard RF television or computer outlet.